

## PATENT COOPERATION TREATY

From the Japan Patent Office (INTERNATIONAL SEARCHING AUTHORITY)

To: Mr. Chikara Miyazaki

Applicant/Agent

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PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY  
(Implementing Regulation 40bis.2)  
(PCT Rule 43bis.2.1)Date of mailing  
(day/month/year) 15.6.2004

Applicant's or agent's file reference

F551PCT

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/JP2004/005780

International filing date (day/month/year)

22.04.2004

Priority date (day/month/year)

07.07.2003

International Patent Classification (IPC)

Int.Cl.<sup>7</sup> G02F1/125, G02F1/11

Applicant

Murata Manufacturing Co., Ltd.

## 1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.2.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

## 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis2(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220

## 3. For further details, see notes to Form PCT/ISA/220

Date of completion of this opinion

25.05.2004

Name and mailing address of the ISA/JP

Japan Patent Office

3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan

Authorized officer

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**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/JP2004/005780

**Box No. I      Basis of this opinion**

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
☐ This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purpose of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material  
☐ a sequence listing  
☐ table(s) related to the sequence listing
  - b. format of material  
☐ in written format  
☐ in computer readable form
  - c. time of filing/furnishing  
☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/JP2004/005780

**Box No. V**      **Reasoned statement under Rule 43bis.2.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims	<u>1-20</u>	YES
	Claims	_____	NO
Inventive step (IS)	Claims	<u>1-20</u>	YES
	Claims	_____	NO
Industrial applicability (IA)	Claims	<u>1-20</u>	YES
	Claims	_____	NO

**2. Citations and explanations:**

Document 1: JP 11-84331 A (Fujitsu, Ltd.), 1999.03.26, entire document (no family)

Document 2: JP 8-101363 A (Hewlett-Packard Co.), 1996.04.16, entire document, & EP 695963 A1 & US 5452314 A

Document 3: JP 64-42710 A (Furukawa Denki Kogyo Kabushiki-kaisha), 1989.01.17, entire document (no family)

Document 4: JP 2001-228450 A (Fujitsu, Ltd.), 2001.08.24, entire document (no family)

The inventions in Claims 1 to 20 are not disclosed in any of the documents cited in the international search report. Therefore, the inventions are novel. In particular, "phase match condition changing means for changing a phase match condition at a mutual action area by 0.235% or more from a state in which phases are matched, the mutual action area being an area where the light guided to the optical waveguide and the surface acoustic wave act upon each other" is not disclosed in any of the cited documents.